

Abstract of the Disclosure

Pulseless reciprocating pumps that include a control valve that rotationally engages a wear plate, such as the pumps disclosed in U.S. Patent Nos. 5,718,570 and 5,733,105. The pumps include stiction-inhibiting structures and compositions that adapt
5 the reciprocating pumps for use in delivering liquid streams that contain at least a modest carbon-containing feedstock component, such as one or more alcohols or hydrocarbons. The present disclosure is also directed to embodiments of the above-referenced and incorporated pumps that are adapted to have improved durability and leak-inhibiting structure. Fuel processing and fuel cell systems that include at least one of the disclosed
10 reciprocating pumps are also presented.